

Prefix **WARM**roof®

AWARD WINNING SOLID ROOF SYSTEM

WARMROOF
BY NAME & DESIGN

The Prefix WARMroof® system is the most configurable and structurally robust, insulated and tiled roof in the UK market. Whether you are looking to build a brand new extension or replace an existing conservatory roof, our WARMroof technology underpins the design in each of our roofs to ensure they offer the very highest levels of thermal efficiency.

As homeowners, we all face the challenge of adding valuable living space to our homes and up until now we have had the choice of a conventional extension or a conservatory. But what about the combination of the two, giving you the best of both worlds?

This **award-winning**, solid, tiled roof will give your home a robust extension feel with the light & airy environment of a conservatory providing a living space you can enjoy all year round. A true 'warm roof' system, the Prefix WARMroof® provides the ideal solution to the most common conservatory problem - too hot in the summer and too cold in the winter. There is also the option to add Velux roof lights or even a fixed 28mm or 44mm glazed panel into the roof for even more light.



STUNNING **EXTERIORS**

From the outside, it's not hard to see why the Prefix WARMroof® was voted the Best Solid Roof.

Whether it's a new addition to your home or part of a conservatory refurbishment, the Prefix WARMroof® is designed to incorporate the features of the main house in terms of brickwork, roof tile colour and even roofing pitch, much like a traditional extension. Various lightweight concrete and slate effect tile options are available in a variety of colours, the system is also structurally proven to accommodate traditional slate, clay or concrete tiles to match your home.

The Prefix WARMroof® has been engineered and tested to meet all building regulations requirements and is fully guaranteed for 10 years. You might also wish to consider adding aluminium bi-folding or sliding doors, opening up your room to the outdoors or even a Verandah to create a sheltered patio area. Only the Prefix WARMroof® can offer the flexible living space you desire.





LUXURY **INTERIORS**

Adding a **Prefix WARMroof**® will instantly provide a luxurious, comfortable and enjoyable space for you to relax in all year round - whatever the weather. Thanks to its superior technology, this award-winning true 'warm roof' system is fully energy efficient with our standard roof specification achieving U-Values of 0.15W/m^{2}K, whilst it can achieve lower U values as low as 0.12W/m^{2}K with insulated plasterboard (to suit Building Regulations in Scotland).

If you are worried about losing light, don't be; you have the option to specify the Prefix WARMroof® Hybrid which features 28mm double or 44mm triple glazed panels which blends seamlessly with the roof. You can also choose to add **Velux** rooflights for additional light and ventilation. They are available in all sizes in both manual & electric options and can be supplied with built in blinds for additional shading or privacy. On gable designs over 4 metres, a timber tie strut will be specified as standard for structural purposes, although in some instances we are able to use an eaves tie if you'd prefer it to be hidden.

With the addition of an internal pelmet detail, not only will your extended living space feel more homely, you will also have the option to add down-lighters, speakers or affix blinds and curtains to really make your new living space part of your home.

















TILE OPTIONS

MODERN TILE

Developed through years of feedback from installers and homeowners, the **Modern Tile** was created to meet the growing demand for a more contemporary roof tile design. The result is a sleek, modern roofing solution that delivers the clean aesthetic homeowners want. The square nose edging and textured design perfectly replicate the common features of a traditional concrete roof tile. Available in 3 colours with a warranty.



Black



Grey



Brown

ENVIROTILE

A flat, precision manufactured, recycled polymer, lightweight roof tile with excellent green credentials. This lightweight roof tile is extremely simple to fix yet performs exceptionally, locking into adjacent tiles to form a fully integrated roof covering. Envirotile is 80% lighter than concrete roof tile, is low maintenance, virtually unbreakable and manufactured in the UK. It is available in a choice of 3 colours.



Anthracite Black



Slate Grey



Dark Brown

BRITMET

Britmet's Liteslate is an innovative synthetic slate roofing tile made from 90% recycled polymers with all the characteristics you can expect from a traditional slate tile. Liteslate offers an authentic finish with riven edges, traditional colour choices and impeccable durability. Unlike natural slate, as a synthetic slate roofing tile, Liteslate won't crack, break, chip or delaminate due to its ground-breaking design and cutting-edge manufacturing process. Furthermore, the Liteslate is designed with the environment in mind.

Charcoal

Ash

Slate Grey

Amethyst

Oak

Sunshine

Sunset

TAPCO

TapcoSlate tiles are authentically shaped with textured surfaces and riven edges moulded from authentic slates that make them indistinguishable from natural slate. It is made from a recyclable blend of limestone and polypropylene. TapcoSlate tiles will not crack, break or delaminate, and its product formulation and manufacturing processes provide durability, performance, and longevity for many years. The TapcoSlate tiles is avaialble in 5 standard colours as well as 9 alternative colours.



Stone Black



Pewter Grey



Plum



Chestnut Brown



Brick Red

Our WARMroof is also structurally compatible with clay, concrete & slate tiles to match your exisiting house roof!

Georgian Prefix WARMroof®

Victorian

Lean-to

Edwardian or Georgian

Gable

P Shape

T Shape

CONFIGURABLE

The Prefix WARMroof® is designed to accommodate all roof styles including conservatory roof shapes, as these are more complex than typical traditional extension roofs. Therefore to date, we haven't had a roof design that is beyond the scope of the roof's capabilities.

Our system is the most configurable solid, tiled roof in the UK market.
We can offer roof pitches to cater for every scenario, with internal pelmets and external fascias & soffits available at various depths and sizes. We can also make 'out of square' roofs that other systems simply cannot do. Our roof system is also the most robust, with spans of up to 6000mm wide without the need for tie bars or tie struts in any form. Variable soffits and the ability to take clay or concrete tiles provide numerous options for the finishing of the roof, no other system offers this option.


Gable


Hipped Lean-to

WARMROOF **HYBRID**

If you're worried about losing the amount of light that floods into your room when adding a solid roof, don't be. The **Prefix WARMroof® Hybrid** option allows you to retain an element of light within the room yet keep the thermal efficiency due to the 28mm double (or 44mm tripled glazed units that provide a 0.6 U-Value). No other systems can offer U Values as low as the Prefix WARMroof®.

The **WARMroof Hybrid** system has a plastered finish internally which provides a simplistic and contemporary finish where the glass panels are positioned. The plaster detail also allows you to personalise your finish by painting up to the glass to match your interiors.

The option for painting will also match in with our standard Velux rooflight which is offered in a white painted finish, meaning you can mix and match fixed and opening rooflights for added ventilation. Thermal properties are not compromised using our standard plastered finish, resulting in clean lines and unrivalled thermal performance whilst always maximising the light into your new living space.



**all of our Hybrid glass units have solar control & are self cleaning as standard*







CASE STUDY **1**

When British Olympic Gold Medallist Dame Laura Kenny DBE & her husband Sir Jason Kenny CBE first purchased their home in Feb 2019, it already had a large wooden conservatory attached to it but they soon realised it was in desperate need of some TLC due to leaks and extreme temperatures in the warmer months.

As with many older, poorly designed conservatories, the roof panels had moved and formed gaps which in heavy rainfall meant it leaked quite heavily. When Laura and Jason decided they needed to refurbish the conservatory, they knew they wanted a solid 'real' roof. The benefits of the WARMroof structure were explained to Laura and Jason, who were suitably impressed with the system and could easily see the potential. "We felt confident in the WARMroof product, so we decided to go ahead" Laura commented.

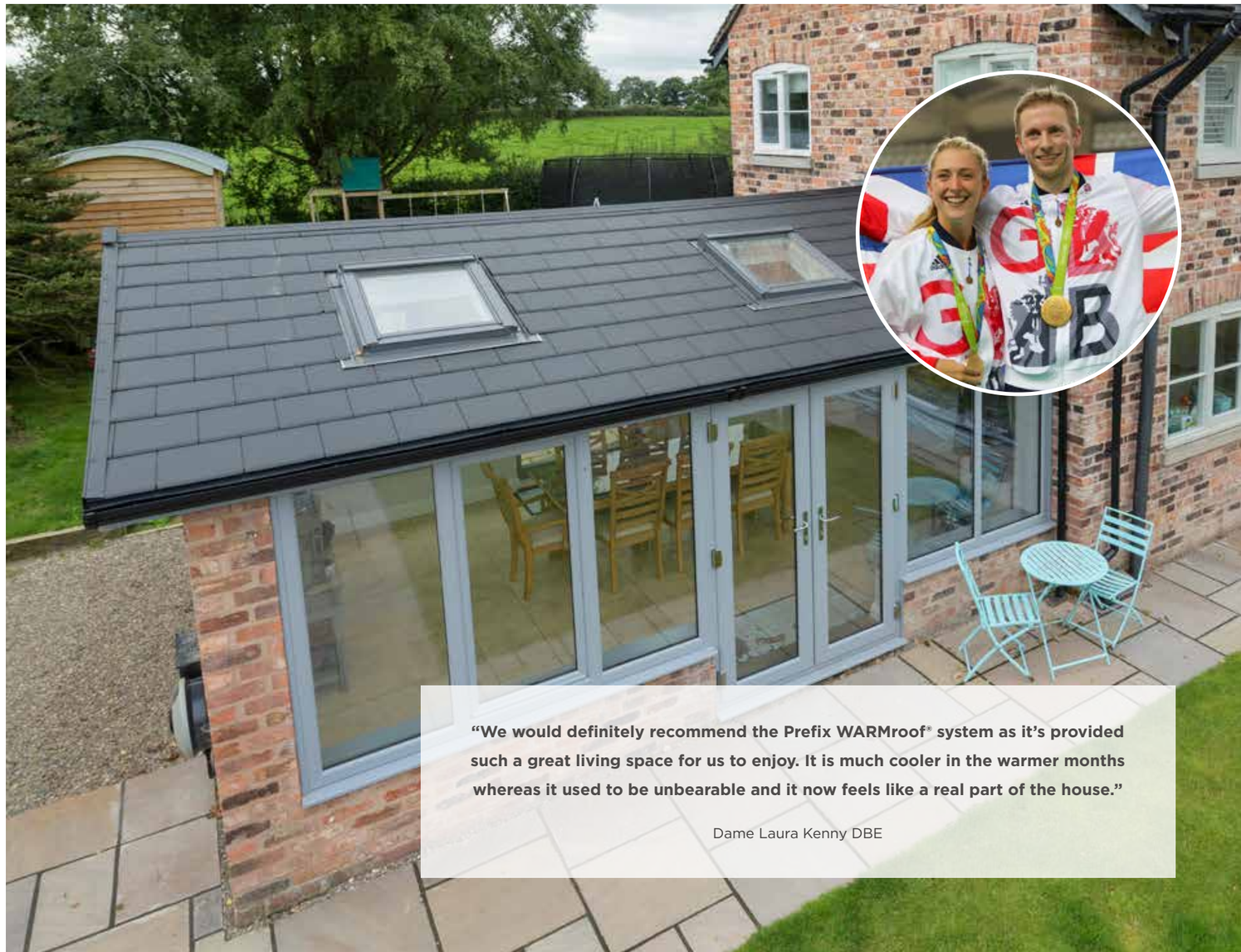
Laura & Jason were used to the light and airy environment of their old conservatory so it was important to keep an element of light in their new room. They chose to have 4 Velux rooflights installed not only for light but so they could open them for increased ventilation.

The whole process of refurbishing their conservatory was described by Laura as 'quick & easy'. The WARMroof arrived at their house neatly palletised with watertight protective packaging and due to high levels of pre-fabrication done at manufacturing stage, the initial build wasn't disruptive and there was minimal mess on site.

Overall, Laura and Jason love their newly refurbished WARMroof conservatory which has provided them with a liveable space for their family to enjoy, also forming part of their kitchen to provide dining space for family meals and entertaining. Laura commented: "We would definitely recommend the WARMroof system as it's provided such a great living space for us to enjoy. It is much cooler in the warmer months whereas it used to be unbearable and it now feels like a proper room and a real part of the house – plus it is much quieter than our old conservatory."







"We would definitely recommend the Prefix WARMroof® system as it's provided such a great living space for us to enjoy. It is much cooler in the warmer months whereas it used to be unbearable and it now feels like a real part of the house."

Dame Laura Kenny DBE

CASE STUDY **2**

Steve & Donna purchased their bungalow in May 2015 and it was actually the conservatory space that sold it to them as they knew it was a space they would use. Despite the conservatory being a family room for dining and socialising, they realised quite quickly that during the winter months, the conservatory was hard to heat even though they had 2 radiators and entertaining was always cut short during the colder months. The conservatory also suffered from condensation and there was a lack of light due to no fitted lighting. In the summer, the heat was unbearable and at times made it difficult to eat at the dining table. Cleaning the conservatory roof also became more difficult with the frame starting to discolour and after only 5 years of living with the conservatory, they started to experience a number of leaks within the panel seals.

Once they started their research, it was soon decided they didn't want to replace the glass with another glass roof and that a solid roof would be their preference. The Prefix WARMroof® came up when searching online and within a couple of days an installer had made contact and arranged a site visit. Steve & Donna chose the Prefix WARMroof® after initially being impressed with the aesthetics and furthermore the quality. They compared the system to other solid roof systems and felt the insulation of the Prefix WARMroof® would give them the warmth they needed. They were also impressed with its award winning status and the ease of the installation.

Choosing the WARMroof Hybrid was essential for them as going from a full glazed roof to a solid roof, they were concerned they would lose a lot of light and not be able to see outside (the main two things they loved about their conservatory). They chose the TapcoSlate tile as they liked the size of the tile and it matched their existing roof providing the appearance of traditional slate.

Their newly refurbished conservatory is still a dining/family room however, they can now enjoy this living space all year round. They have already experienced a cooler, more liveable environment during the warmer months.

Steve and Donna are very happy with their Prefix WARMroof® describing the room as 'outstanding' and that the look and ease of fitting have to be the two main factors they were most impressed with. "We felt it was great value for money and has added value to our property."







We are very happy with our newly refurbished conservatory - the room is outstanding. The best part is the glass panels as it gives the roof a 'wow factor' and does exactly what we wanted it to by adding light into our living space.

Donna, Cardiff

WHY
PREFIX WARMROOF®?

- **Award Winning!** Voted **Best Solid Roof System** at the Conservatory & Orangery Awards ✔
- It's the fitter's favourite - recognised as the industry leading solid roof system ✔
- The UK's most configurable and structurally robust, insulated and tiled roof ✔
- Designed with a true 'warm roof' construction ✔
- Engineered as a real home extension solution built to stand the test of time ✔
- Lightweight replacement roof suitable for conservatory roof refurbishments or replacements ✔
- Fully guaranteed for 10 years with the tiles carrying either a 25 or 40 year warranty ✔
- Choice of 4 tiles, yet it is structurally tested to take concrete, clay or slate tiles ✔
- Fully compliant with Building Regulations ✔
- Thermal insulation of 0.15 W/m²K ✔
- Can achieve U-values as low as 0.12 W/m²K with insulated plasterboard for Scotland ✔
- Quick installation meaning less disruption to your home ✔
- We only use Velux rooflights - a quality brand you can recognise and trust ✔
- No more cleaning of dirty roofs and reduced noise from rain, wind and wildlife ✔
- Built using modern and class leading thermally efficient materials ✔
- No risk of condensation forming ✔
- Customisable and bespoke roof to suit you ✔
- Designed and manufactured by Prefix Systems who have 25 years experience in fabricating conservatory roofs for the home improvement sector ✔

Our WARMroof construction is a **true warm roof system** and has many benefits over a traditional 'cold roof'. It is essentially a 'breathable roof construction' which allows moisture to escape, in turn preventing damp and any other decay problems. It is thermally efficient, cost effective and commonly accepted as the best roof construction option for our climate for England, Scotland & Wales. A true 'warm roof' construction increases the effectiveness of the insulation and prevents warm air leakage from the building into the roof space. The insulation in the Prefix WARMroof® system is 167mm thick overall with 70mm sat above the roof structure meaning the rafters are insulated providing a true 'warm' roof. It is the **only system** to be insulated at the eaves which prevents condensation.

Ask! **When doing your research on solid roofs, always check it's a TRUE warm roof system**



STRUCTURE

HIP & RIDGE CAPPINGS
Slimline one-piece top cap cover for speed of installation which matches roof slate or tiles

WARMROOF LAYER
Extra 70mm top panel phenolic insulation which insulates the bars and eliminates potential thermal bridging issues creating a true ‘warm roof’ structure and provides 0.15 ‘U Value’ to comply with UK Building Regulations

TILES
Modern Tile, Envirotile, Britmet or TapcoSlate from stock or real slate, clay or concrete tiles of your choice in a variety of colours

RAFTER INSULATION
100mm insulation between the bars, retaining the heat within the room. Provides 170mm of insulation overall, bonded to the structural plywood deck

MEMBRANE
Breathable, waterproof membrane between the top panels and tiles to assist with weatherproofing

GUTTER & FASCIA
Available in a variety of colours and soffit depths

INTERNAL PANELS
Built in timber battening for secure fixing plasterboard

EAVES
Fully insulated eaves, eliminating any risk of condensation



BUILDING REGULATIONS

‘Building Regulation certification’ is probably a phrase you have come across when looking into conservatory refurbishments, particularly if you’re looking to replace your glass or polycarbonate roof with a solid, tiled roof. Building Regulations are there to protect you, to ensure any building works and products used conform to the latest performance and safety standards. Specifying the correct products for your project are an important consideration, if standards are not met your local authority could make you pay for faulty work to be fixed and without approval you will not have the certificates of compliance you may need when you want to sell your home. From June 2022, there was some important changes made to the thermal requirements for home extensions and replacement tiled roofs.

The **Prefix WARMroof**® which conforms to the new Building Control changes, is a **true ‘warm roof’ construction** with our standard roof specification achieving U-values of 0.15, whilst it can achieve a U value as low as 0.12 with insulated plasterboard (to suit Building Regulations in Scotland). Therefore, the Prefix WARMroof® conforms and surpasses the new building regulation changes for refurbishment of existing conservatories. It is also the **ONLY** ‘warm roof’ system that is able to accommodate an upgrade to triple glazing in the WARMroof Hybrid, providing superior thermal values over any other warm roof system available.

The system has also undergone rigorous independent analysis both thermally and structurally in order to ensure conformity to UK building regulation. Prefix WARMroof® has obtained approval certification from STROMA (previously JHAI), taking the hassle out and speeding up the application process.

You as the homeowner can rest assured that the Prefix WARMroof® is fit for purpose in any location and will stand to meet the test of time to deliver unrivalled technical performance.*

STROMA - Stroma Building Control is a leading Registered Building Control Approver, providing you with professional and reliable Building Control solutions for commercial and residential buildings.

BEWARE OF CLAD OVERS!

Some companies have started to offer ‘clad over roofs’ which means they are doing little more than fixing basic timber and plasterboard to the inside of a conservatory and low-grade tiles to the outside to replicate the feel of a solid roof, with failures happening literally within weeks.

There are many dangers to clad-over roofs that homeowners need to be aware of. First and foremost, the fundamental importance of the structural performance of a conservatory needs to be considered. The roof and frame structure is designed only to take the weight of the current glazing material and any additional loads imposed by wind and snow in that geographical location; it will not have been designed to carry the additional loads imposed when fixing timber, plasterboard, plaster and roof tiles to the existing structure.

In addition, the base and foundations need properly assessing to ensure they are sufficiently constructed to take the additional loads. The clad-over roof construction will also trap air in the voids in the roof structure which will heat and cool with the seasons. This will cause condensation and heat build-up as the seasons come and go. The best-case scenario is potential water ingress causing a leaking roof; the worst-case is a full roof failure with the resulting collapse causing damage not only to the house but potentially to the homeowners too.

*We always advise checking with your local authority for Building Regulation requirements in your area.

DURABASE

Whether you're dreaming of a brighter kitchen, a larger family room, or a modern conservatory, every great project starts with a strong foundation.

Durabase is an innovative building system that helps homeowners create beautiful new living spaces with less disruption than traditional construction. Instead of weeks of digging, concrete and bricklaying, your extension or conservatory begins with a precision-engineered insulated steel base that provides a stable foundation and the pre-fabricated Durawall modular wall system, manufactured specifically for your home.

The result? A quicker, cleaner and more efficient way to build the space you've always wanted. *So why are so many homeowners choosing this product?*

Less Mess Around Your Home
Traditional foundations often mean extensive excavation, skips, heavy machinery and weeks of disruption. Durabase requires far less digging, helping to keep your garden, driveway and outdoor space cleaner throughout the build.

Enjoy Your New Space Sooner
Because every Durabase system is manufactured off-site and delivered in individual lengths ready to install, construction gets off to a much faster start. The Durawall comes in small sections pre-bricked and ready to assemble, that means less waiting and more time enjoying your new room.

Designed Specifically for Your Home
No two homes are the same. Every Durabase system is made to your exact measurements, providing a bespoke solution whether you're building a conservatory or single-storey extension.

Built to Last
Manufactured from precision-engineered steel and backed by a 10-year guarantee, Durabase gives you confidence that your investment is built on a durable, reliable foundation.

Building Regulations Made Easier
Selected Durabase systems are designed to meet Building Regulations, helping to simplify the process for qualifying projects and giving you added peace of mind.

- ✔ **Fully compatible with Prefix WARMroof**







DURAWALL

Your new extension, conservatory or garden room should look like it's always been part of your home. That's exactly what Durawall is designed to achieve.

Durawall is a modern prefabricated modular wall system that combines the timeless appearance of traditional brickwork with the speed and precision of off-site manufacturing. Built in our factory and delivered in manageable sections ready to install, Durawall helps reduce disruption while creating a beautiful, permanent addition to your home.

A Traditional Look You'll Love

Durawall is finished with real brick facings and is available in a wide range of brick styles and colours, allowing you to closely match your existing home for a seamless finish that looks built to last.

Spend Less Time Living on a Building Site

Traditional brick walls can take weeks to build and often mean constant deliveries, piles of materials and ongoing disruption. Because Durawall modular wall sections are manufactured before they arrive on site, installation is significantly faster and much cleaner, helping your project progress quickly with less inconvenience to your family.

Strong, Modern Construction

Behind the brick finish is a precision-engineered galvanised steel frame that provides strength, durability and long-term performance. It's modern construction technology designed to give you confidence that your new living space is built to last.

Made for Your Home

Every Durawall system is manufactured specifically for your project. Whether you're creating a bright conservatory, extending your kitchen or building a stylish garden room, your walls are made to fit your exact design and dimensions. The Durawall system can be finished in a wide range of finishes, including brick slips, render-ready or plain particle board for the finish of your choice. We have a wide range of brick choices available, a selection of which are shown below.



Ask to see our full brick chart for the full range!

Printed colour samples are as accurate as the printing techniques allow and are for guidance only. It should be noted that as materials used in the manufacture are from natural sources variations in shade, texture and dimensions can occur

THE BEAUTY OF BRICK WITHOUT THE WAIT



PEACE OF MIND

Before you decide on a tiled roof, you probably have some questions. Here are some of the most frequently asked questions with answers for full reassurance when choosing the Prefix WARMroof®

Q. How will the Prefix WARMroof® keep my conservatory cool in the summer but warm in the winter?
A: The Prefix WARMroof® system offers the only true 'warm roof' construction in the solid, insulated and tiled roofing sector. The insulation sits above the roof structure and therefore eliminates any cold bridge between the rafters and roof covering keeping the cold air out in winter months and in turn in summer, prevents excessive heat build-up within the room creating the perfect all year round environment. The Prefix WARMroof® uses only quality and class leading insulation within the roof structure.

Q. Will my existing conservatory be able to take the weight of the Prefix WARMroof®?
A: The Prefix WARMroof® is extremely lightweight and approximately weighs 53kg/m^2, it's also extremely strong and capable of withstanding a maximum snow load of 0.8kN/m^2, making it suitable for installations anywhere in mainland UK.

Q. Is condensation an issue with other systems?
A: Yes, interstitial condensation can build up within other roof systems overtime which leads to rot and decay from the inside, this is common on all 'cold roof' structures regardless of aluminium or timber construction. A 'warm roof' will not suffer this problem as a true warm roof in design provides you peace of mind for the life of your new extension.

Q. Can I use a natural slate, clay or concrete tile to match my existing house roof?
A: Yes you can! The Prefix WARMroof® is the only tiled conservatory roof replacement system that can cater for any roof finish.

Q. Will I need to apply for Building Regulations for the new roof?
A: The Prefix WARMroof® system carries Stroma Building Control certification, this means the system is Building Control compliant throughout the UK. We would always advise that you contact your local authority to seek their advice on your particular project & in your area. Your installer can help and assist with this process.

Q. I'm worried the room will look dark if I add a solid roof, how can I retain the light?
A: Adding a solid roof surprisingly doesn't make the room underneath much darker once plastered and painted. There is the option to add Velux rooflights into the roof for additional light and ventilation and to really maximise natural light, you can add double or triple glazed panels (as shown on page 12). Adding an internal pelmet also allows for downlights to be installed so you can add lighting to the inside of the room.

Q. How long will the new roof take to be installed?
A: Every project is different, but typically new roofs will be watertight within the first day of install although this will vary depending on size and complexity. All the roofs are pre-assembled at manufacturing stage before being delivered to site to ensure their accuracy and quality. This approach results in minimal disruption to your home & garden and you could be enjoying your new room within a few days of the installation commencing.

RELAX,
WE’RE THE EXPERTS

If you’re interested in a Prefix WARMroof®, we can provide expert advice, whether it’s for a newly installed home extension or replacement roof on an existing conservatory.

Every roof is manufactured to your bespoke requirements providing a completely tailored design just for you. We believe that the unique Prefix WARMroof® technology will completely re-define the way we look at adding valuable and stylish living space to our homes. It is the perfect choice for homeowners who are looking to add a solid roof to their extended living space.

Speak to us today about adding an Award Winning Prefix WARMroof® to your home.



C&O
CONSERVATORY & ORANGERY
AWARDS
WINNER
BEST SOLID ROOF SYSTEM